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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TT/01

TEST RESULTS OF STEEL

Lab ID	:	CP-2019-08-29-98 **Date: 16-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	15-07-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	514	654	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	530	674	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	546	670	20.0%	Satisfactory	Satisfactory

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 1/1
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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-08-29-98**
		Date: 30-08-19
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-08-19
Sample Type /Size	:	Precast Cover Slab(100mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	26/08/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.52	100.49	1.118	4478	80.8	18.0	16.8	21.0
2	Cover Slab-2	75.48	100.51	1.124	4474	82.4	18.4	17.1	21.4
3	Cover Slab-3	75.52	100.52	1.116	4478	81.7	18.2	17.0	21.2

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Page 1/1
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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2019-08-29-98**
		Date: 12-07-19
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	10-07-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	25	25	2.5	97.5	90-100	90-100	90-100	95-100
3	2.36 mm	41	66	6.6	93.4	60-95	75-100	85-100	95-100
4	1.18 mm	227	293	29.3	70.7	30-70	55-90	75-100	90-100
5	600 micron	206	499	49.9	50.1	15-34	35-59	60-79	80-100
6	300 micron	208	707	70.7	29.3	5-20	8-30	12-40	15-50
7	150 micron	198	905	90.5	9.5	0-10	0-10	0-10	0-15
8	Pan	95	1000	100.0	0.0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone II									

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2019-08-29-98 **Date: 12-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	10-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	245	245	4.9	95.1	90-100
3	10 mm	2635	2880	57.6	42.4	25-55
4	4.75 mm	1780	4660	93.2	6.8	0-10
5	Pan	340	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-29-98** **Date: 13-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	10-07-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	10-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	215	215	1.4	98.6	90-100
3	20 mm	7455	7670	51.1	48.9	30-70
4	10 mm	4266	11936	79.6	20.4	10-35
5	4.75 mm	2844	14780	98.5	1.5	0-5
6		220	15000	100.0	0	---

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-29-98** **Date: 13-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK D)E-PMT-09/W O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification . IS 4031 (Part 1,2 3,4,5, 6,11) 1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING. Clause 4.4 IS 4031 Part 2. Determination of Fineness by Blaine Air Permeability Method. Clause 5 IS 4031 Part 3. Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4. Determination of Consistency of Standard Cement Paste. Clause 5 IS 4031 Part 5. Determination of Initial & Final Setting Time. Clause 5 IS 4031 Part 11.DETERMINATION OF DENSITY . Clause 6
Date of test	:	11-07-19
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.85	-
2	Finess by Air permeablity method (m^2/kg.Min)	348.6	225m^2/kg. Min
3	Density (gm/cc)	3.11	-
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-29-98** **Date: 23/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri Kiran Gowda D (SRI Channakeshawa Enterprises), No 882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK D)E-PMT-09/W O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS code:	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	150.91 X 150.52 X 150.02	22714	8.626	422.6	18.6	18.5
2	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	150.27 X 151.99 X 149.51	22840	8.928	412.7	18.1	
3	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	149.89 X 151.78 X 151.65	22750	8.380	430.4	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-29-98** **Date: 23/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5
Date of test	:	23/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	151.23 X 150.21 X 150.67	22715	8.626	413.6	18.2	18.3
2	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	150.14 X 150.43 X 150.68	22585	8.828	419.9	18.6	
3	Drain Bottom Slab Concrete	M20	16/07/2019	23/07/2019	151.08 X 150.99 X 151.73	22813	8.370	411.4	18.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2019-08-29-98
		Date: 13/08/2019
stomer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
ddress	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73
Customer's Reference	:	EE(YNK D)E-PMT-09/W O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	13/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	16/07/2019	13/08/2019	149 69 X 151 65 X 150 22	22701	8.644	526.2	23 2	23 1
2	Drain Bottom Slab Concrete	M20	16/07/2019	13/08/2019	150 88 X 149 08 X 149 94	22493	8.448	504 7	22 4	
3	Drain Bottom Slab Concrete	M20	16/07/2019	13/08/2019	150 59 X 149 41 X 150 70	22501	8.958	534 9	23 8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/07/2019

Lab ID	:	CP-2019-08-29-98
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	151.65 X 150.07 X 151.17	22757	8.626	415.8	18.3	18.4
2	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	151.32 X 150.56 X 149.24	22783	8.828	413.7	18.2	
3	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	150.94 X 151.69 X 150.13	22895	8.380	429.0	18.7	

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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R.RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL|
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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-08-29-98
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-07-19
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	22/07/2019

Date: 22/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	15/07/2019	22/07/2019	150.59 X 150.90 X 151.45	22724	8.336	293.3	12.9	12.5
2	PCC	M15	15/07/2019	22/07/2019	151.99 X 150.64 X 149.66	22896	8.110	279.6	12.2	
3	PCC	M15	15/07/2019	22/07/2019	150.71 X 151.99 X 150.96	22906	8.986	284.5	12.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-08-29-98
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-07-19
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 13/08/2019

Date of test : 13/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	15/07/2019	13/08/2019	150.86 X 150.36 X 149.04	22683	8.897	398.6	17.6	17.5
2	PCC	M15	15/07/2019	13/08/2019	149.45 X 149.19 X 150.62	22297	8.495	393.7	17.7	
3	PCC	M15	15/07/2019	13/08/2019	150.82 X 150.61 X 149.66	22715	8.453	390.2	17.2	

Note:
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Page 1/1
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-29-98** **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.
Agency	:	Sri.Kiran Gowda D (SRI Channakeshawa Enterprises), No.882 Monika Nilaya, 13th Cross, Havanoor.Ext,Nagasandra Post, Bangalore-73.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/25/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	149.57 X 149.18 X 149.27	22313	8.626	420.9	18.9	18.8
2	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	149.02 X 150.06 X 149.12	22362	8.828	424.5	19.0	
3	Drain Side Wall Concrete	M20	17/07/2019	24/07/2019	151.83 X 151.51 X 150.15	23003	8.380	429.9	18.7	

Note:
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-08-29-98

Date: 14/08/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains at Chikkabettahalli Layout in Ward No 03, Attur.

Agency : Sri.Kiran Gowda D (SRI Channakeshawa Enterprises). No.882 Monika Nilaya, 13th Cross, Havanoor,Ext,Nagasandra Post, Bangalore-73.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/25/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-07-19

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 14/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	17/07/2019	14/08/2019	149.70 X 151.97 X 149.51	22749	8.644	534.5	23.5	23.0
2	Drain Side Wall Concrete	M20	17/07/2019	14/08/2019	150.13 X 149.71 X 150.74	22476	8.448	499.2	22.2	
3	Drain Side Wall Concrete	M20	17/07/2019	14/08/2019	150.24 X 150.50 X 149.26	22611	8.958	524.0	23.2	

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